

IN THE CLAIMS

Please add the following new claim:

Sub E1
1 1. (previously amended) A hearing aid with a microphone
2 system (1) and a subsequent analog/digital converter (5),
3 wherein the microphone system (1) is encapsulated in an
4 electromagnetic shielding case (3) forming a shielded
5 microphone system unit and further wherein the analog/digital
6 converter (5) is mounted on an outside of the electromagnetic
7 shielding case (3).

1 2. (previously amended) The hearing aid as claimed in
2 claim 1, wherein the analog/digital converter (5) is
3 encapsulated in a converter shielding case (7a, 7b) which is
4 set to the electrical potential of the electromagnetic
5 shielding case (3) of the microphone system.

1 3. (previously amended) The hearing aid as claimed in
2 claim 1, wherein the microphone system (1) and the
3 analog/digital converter (5) are detachably combined in
4 modular manner.

1 4. (previously amended) The hearing aid as claimed in
2 claim 1, wherein said analog/digital converter comprises first
3 and second analog inputs (E_1 , E_2), said first analog input
4 (E_1) having a first input impedance (Z_1) and a first input
5 gain (G_1), said second analog input (E_2) having a second
6 input impedance (Z_2) and a second input gain (G_2), and wherein
7 either said first and second input impedances (Z_1 , Z_2) are
8 different from one another or said first and second input
9 gains (G_1 , G_2) are different from one another.

1 5. (previously added) The hearing aid as claimed in
2 claim 2, wherein the micro phone system (1) and the
3 analog/digital converter (5) are detachably combined in
4 modular manner.

1 6. (previously amended) The hearing aid as claimed in
2 claim 2, wherein said analog/digital converter comprises first
3 and second analog inputs (E_1 , E_2), said first analog input
4 (E_1) having a first input impedance (Z_1) and a first input
5 gain (G_1) , said second analog input (E_2) having a second
6 input impedance (Z_2) and a second input gain (G_2), and wherein
7 either said first and second input impedances (Z_1 , Z_2) are
8 different from one another or said first and second input
9 gains (G_1 , G_2) are different from one another.

1 7. (previously amended) The hearing aid as claimed in
2 claim 3, wherein said analog/digital converter comprises first
3 and second analog inputs (E_1 , E_2), said first analog input
4 (E_1) having a first input impedance (Z_1) and a first input
5 gain (G_1) , said second analog input (E_2) having a second
6 input impedance (Z_2) and a second input gain (G_2), and wherein
7 either said first and second input impedances (Z_1 , Z_2) are
8 different from one another or said first and second input
9 gains (G_1 , G_2) are different from one another.

1 8. (new) A hearing aid comprising:
2 a microphone;
3 an electromagnetic shielding case for encapsulating said
4 microphone; and
5 an analog/digital converter mounted on an outside of said
6 electromagnetic shielding case and
7 electromagnetically shielded from said microphone.